

METHOD OF OPTIMIZING EQUIPMENT UTILIZATION IN  
TELECOMMUNICATION ACCESS NETWORK

ABSTRACT OF THE INVENTION

A method of optimizing access network utilization is provided. The access network includes a plurality of integrated access devices coupled to a segment and reassembly device, where each segment and reassembly device has a plurality of channels,  $X$ . The method includes the steps of providing a plurality of subscriber lines,  $\Sigma m_i$ , coupled to the integrated access devices, providing a plurality of integrated access device lines,  $\Sigma n_i$ , between the integrated access devices and the segment and reassembly device, multiplexing the plurality of subscriber lines by the integrated access device onto the plurality of integrated access device lines, such that  $\Sigma m_i > \Sigma n_i = X$ , and providing a reorder tone to any subscriber whose call is blocked.